

Martin L. Gibbs
1708 Road 52
Pasco, WA 99301

DOCKET FILE COPY ORIGINAL

RECEIVED

JUN 15 1995

COMM LDC

June 11, 1995

The Secretary
Federal Communications Commission
Washington, DC 20554

Reference: MM Docket 95-71
RM-8632, Amendment of Section 73.202(b)
DA 95-1116 (copy attached)

Dear Secretary,

Please enter into the record with respect to the Notice of Proposed Rule Making, MM Docket 95-71, the following certifications in response to Commission requests:

1. I ("Petitioner") am restating that if the referenced proposal is adopted, Petitioner will promptly apply for authority to construct and operate a new FM station at Pasco, Washington. If a construction permit is granted, Petitioner will promptly construct and operate the proposed station.

2. Attached is a copy of my original petition submitted by registered mail on April 3, 1995, assigned MM Docket 95-71.

I hereby certify that statements in this document and the attached petition are true and correct to the best of my knowledge and belief, and are made in good faith.

By Martin L. Gibbs
Mr. Martin L. Gibbs
1708 Road 52
Pasco, WA 99301

Sworn to before me, Sharon Harmon a
Notary Public of Pasco, Washington, on this 11th day of
JUNE, 1995.

My commission expires 1/26/99

No. of Copies rec'd
List A B C D E

2

Before the
Federal Communications Commission
Washington, D.C. 20554

MM Docket No. 95-71

In the Matter of

Amendment of Section 73.202(b) RM-8632
Table of Allotments,
FM Broadcast Stations.
(Pasco, Washington)

NOTICE OF PROPOSED RULE MAKING

Adopted: May 17, 1995; Released: June 1, 1995

Comment Date: July 24, 1995

Reply Comment Date: August 8, 1995

By the Chief, Allocations Branch:

1. The Commission has before it the petition for rule making filed by Martin L. Gibbs ("petitioner"), proposing the allotment of Channel 229A at Pasco, Washington, as the community's third local commercial FM service. Petitioner states his intention to apply for the channel, if allotted.¹

2. We believe the public interest would be served by proposing the allotment of Channel 229A at Pasco, Washington, since it could provide the community with an additional FM transmission service. An engineering analysis has determined that Channel 229A can be allotted to Pasco in compliance with the Commission's minimum distance separation requirements with a site restriction of 12.6 kilometers (7.8 miles) southwest to avoid a short-spacing to Station KDRK-FM, Channel 229C, Spokane, Washington.² Since Pasco is located within 320 kilometers (200 miles) of the U.S.-Canadian border, concurrence of the Canadian government has been requested.

3. Accordingly, we seek comments on the proposed amendment of the FM Table of Allotments, Section 73.202(b) of the Commission's Rules, for the community listed below, to read as follows:

City	Present	Channel No.	Proposed
Pasco,			
Washington	252A, 267C35	229A, 252A, 267C3	

¹ Although the petitioner's request was signed, it failed to include an affidavit verifying that the statements contained in the petition were accurate to the best of its knowledge. Section 1.52 of the Commission's Rules requires that the original of any document filed with the Commission by a party not represented by counsel be signed and verified by the party and his/her address stated. In the absence of such verification, the petition may be dismissed. Section 1.401(b) of the Commission's Rules concerning rule making proceedings places petitioners on notice

4. The Commission's authority to institute rule making proceedings, showings required, cut-off procedures, and filing requirements are contained in the attached Appendix and are incorporated by reference herein. In particular, we note that a showing of continuing interest is required by paragraph 2 of the Appendix before a channel will be allotted.

5. Interested parties may file comments on or before **July 24, 1995**, and reply comments on or before **August 8, 1995**, and are advised to read the Appendix for the proper procedures. Comments should be filed with the Secretary, Federal Communications Commission, Washington, D.C. 20554. Additionally, a copy of such comments should be served on the petitioner, or its counsel or consultant, as follows:

Martin L. Gibbs
1708 Road 52
Pasco, Washington 99301
(Petitioner)

6. The Commission has determined that the relevant provisions of the Regulatory Flexibility Act of 1980 do not apply to rule making proceedings to amend the FM Table of Allotments, Section 73.202(b) of the Commission's Rules. *See Certification That Sections 603 and 604 of the Regulatory Flexibility Act Do Not Apply to Rule Making to Amend Sections 73.202(b), 73.504 and 73.606(b) of the Commission's Rules*, 46 FR 11549, February 9, 1981.

7. For further information concerning this proceeding, contact Sharon P. McDonald, Mass Media Bureau, (202) 418-2180. For purposes of this restricted notice and comment rule making proceeding, members of the public are advised that no *ex parte* presentations are permitted from the time the Commission adopts a Notice of Proposed Rule Making until the proceeding has been decided and such decision is no longer subject to reconsideration by the Commission or review by any court. An *ex parte* presentation is not prohibited if specifically requested by the Commission or staff for the clarification or adduction of evidence or resolution of issues in the proceeding. However, any new written information elicited from such a request or a summary of any new oral information shall be served by the person making the presentation upon the other parties to the proceeding unless the Commission specifically waives this service requirement. Any comment which has not been served on the petitioner constitutes an *ex parte* presentation and shall not be considered in the proceeding. Any reply comment which has not been served on the person(s) who filed the comment, to which the reply is directed, constitutes an *ex parte* presentation and shall not be considered in the proceeding.

that their proposal must conform with the requirements of Section 1.52 regarding subscription and verification. *See also Amendment of Sections 1.420 and 73.3584 of the Commission's Rules Concerning Abuses of the Commission's Processes*, 5 FCC Rcd 3911, 3919 n.41 (1990). The petitioner is requested to rectify this omission in his comments.

² The coordinates for Channel 229A at Pasco are North Latitude 46-09-37 and West Longitude 119-13-07.

FEDERAL COMMUNICATIONS COMMISSION

John A. Karousos
Chief, Allocations Branch
Policy and Rules Division
Mass Media Bureau

APPENDIX

1. Pursuant to authority found in Sections 4(i), 5(c)(1), 303(g) and (r) and 307(b) of the Communications Act of 1934, as amended, and Sections 0.61 0.204(b) and 0.283 of the Commission's Rules, IT IS PROPOSED TO AMEND the FM Table of Allotments, Section 73.202(b) of the Commission's Rules and Regulations, as set forth in the *Notice of Proposed Rule Making* to which this Appendix is attached.

2. *Showings Required.* Comments are invited on the proposal(s) discussed in the *Notice of Proposed Rule Making* to which this Appendix is attached. Proponent(s) will be expected to answer whatever questions are presented in initial comments. The proponent of a proposed allotment is also expected to file comments even if it only resubmits or incorporates by reference its former pleadings. It should also restate its present intention to apply for the channel if it is allotted and, if authorized, to build a station promptly. Failure to file may lead to denial of the request.

3. *Cut-off Procedures.* The following procedures will govern the consideration of filings in this proceeding.

(a) Counterproposals advanced in this proceeding itself will be considered if advanced in initial comments, so that parties may comment on them in reply comments. They will not be considered if advanced in reply comments. (See Section 1.420(d) of the Commission's Rules.)

(b) With respect to petitions for rule making which conflict with the proposal(s) in this *Notice*, they will be considered as comments in the proceeding, and Public Notice to this effect will be given as long as they are filed before the date for filing initial comments herein. If they are filed later than that, they will not be considered in connection with the decision in this docket.

(c) The filing of a counterproposal may lead the Commission to allot a different channel than was requested for any of the communities involved.

4. *Comments and Reply Comments; Service.* Pursuant to applicable procedures set out in Sections 1.415 and 1.420 of the Commission's Rules and Regulations, interested parties may file comments and reply comments on or before the dates set forth in the *Notice of Proposed Rule Making* to which this Appendix is attached. All submissions by parties to this proceeding or by persons acting on behalf of such parties must be made in written comments, reply comments, or other appropriate pleadings. Comments shall be served on the petitioner by the person filing the comments. Reply comments shall be served on the person(s) who filed comments to which the reply is directed. Such comments and reply comments shall be accompanied by a certificate

of service. (See Section 1.420(a), (b) and (c) of the Commission's Rules.) Comments should be filed with the Secretary, Federal Communications Commission, Washington, D.C. 20554.

5. *Number of Copies.* In accordance with the provisions of Section 1.420 of the Commission's Rules and Regulations, an original and four copies of all comments, reply comments, pleadings, briefs, or other documents shall be furnished the Commission.

6. *Public Inspection of Filings.* All filings made in this proceeding will be available for examination by interested parties during regular business hours in the Commission's Public Reference Room at its headquarters, 1919 M Street N.W., Washington, D.C.

Before the
FEDERAL COMMUNICATIONS COMMISSION
Washington, D.C. 20554

In the Matter of)
)
Amendment of Section 73.202(b)) MM Docket _____
Table of Allotments,) RM - _____
FM Broadcast Stations)
(Pasco, Washington))

To: Chief, Policy and Rules Division

RECEIVED
JUN 15 1995
COMM. ROOM

PETITION FOR RULE MAKING

Comes now Martin L. Gibbs, (hereafter "Petitioner"), pursuant to Section 1.401(a) of the Commission's Rules, and respectfully request the Commission to institute a rule making proceeding to allocate FM Channel 229A to Pasco, Washington, as that community's third local FM service.

Proposal of Petitioner

<u>Channel Numbers</u>		
<u>City</u>	<u>Present</u>	<u>Proposed</u>
Pasco, Washington	252A, 267C3	229A, 252A, 267C3

In support of this proposal, the following information is submitted for consideration:

1. Pasco is an incorporated city located in Franklin County, Washington. The city population is 20,337 and the county population is 37,473 ^{1/}. Attached is Exhibit No. 1 which shows the location of Pasco and Franklin County within Washington State. Pasco is the county seat of Franklin County.

2. Adoption of this proposal will provide Pasco with its third local FM service, on the table of allotments, under Section 73.202(b). ^{2/}

3. If this proposal is adopted, Petitioner will promptly apply for authority to construct and operate a new FM station at Pasco, Washington. If a construction permit is granted, Petitioner will promptly construct and operate the proposed station.

4. Attached hereto and made a part of this petition is an Engineering Exhibit in support of the requested allotment. Based on the information contained therein, it appears that the requested channel could be allocated to Pasco, Washington in full compliance with the minimum distance separation requirements of Section 73.207 of the Commission's Rules, with a site restriction as specified in the Engineering Exhibit.

5. The proposed change in the table of allotments will not create a short-spacing to any existing station, pending application or vacant allotment and will not require relocation of any station, pending applicant or vacant allotment.

1/ Population figures are from the 1990 U.S. Census.

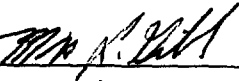
2/ Station KOLU (FM) 90.1 MHz does not appear on the allotment table. KOLU (FM) operates as a non-commercial station.

6. In addition to considering the minimum distance separation required of Section 73.207 the Petitioner has provided in the attached Engineering Study, technical information concerning transmitter location (73.315), and coverage of the most distant City boundary of Pasco, Washington with greater than 70 dBu signal. As shown on technical exhibits, there is ample area in which to locate a transmitter and antenna site which will provide service to the City of Pasco, Washington without request of waivers of the various coverage rules.

WHEREFORE, the premises considered, Mr. Martin L. Gibbs, respectfully request the Commission amend the FM Table of Allotments to reflect the allotment of Channel 229A to Pasco, Washington.

Respectfully submitted,

By



Mr. Martin L. Gibbs

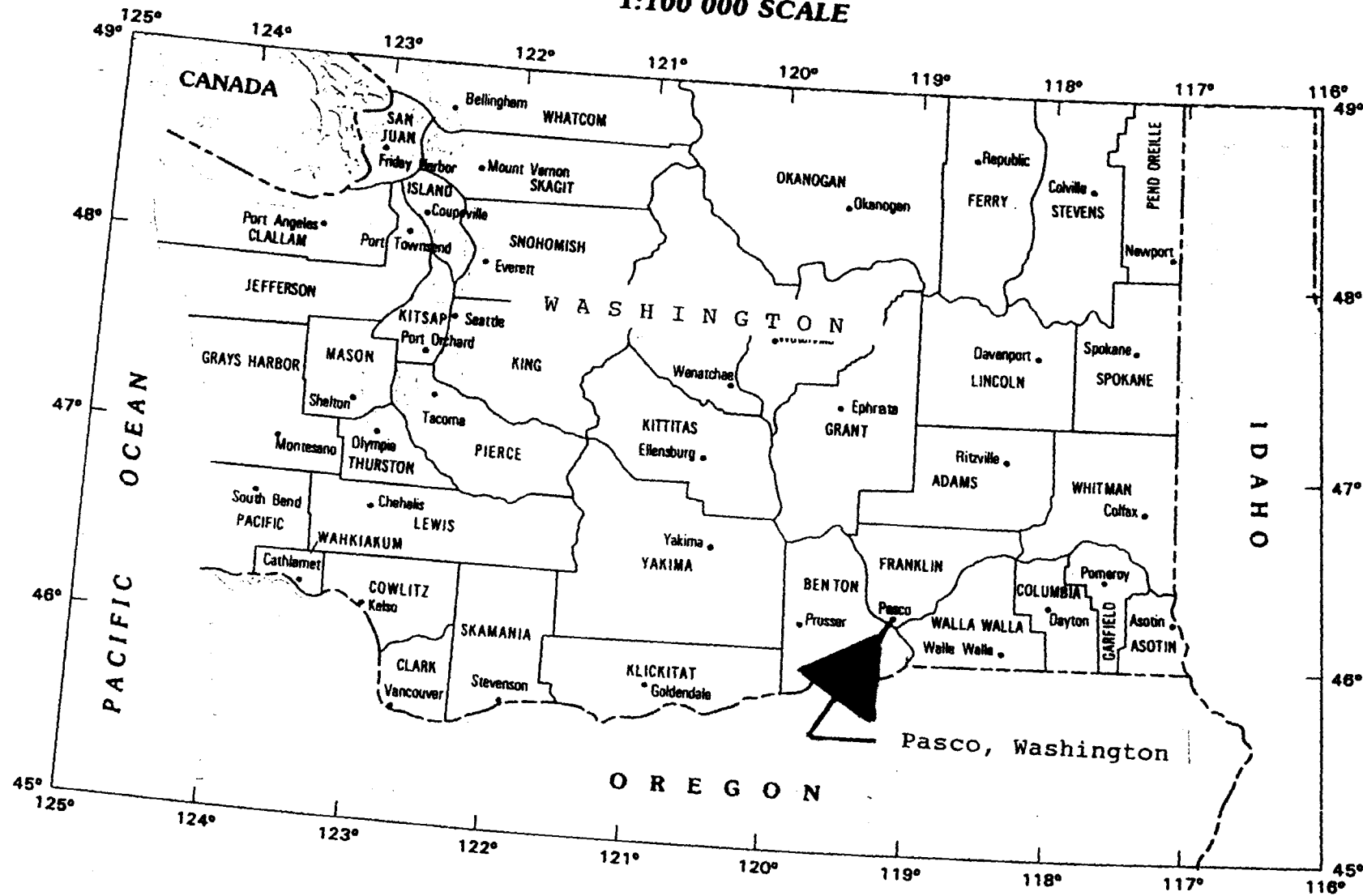
1708 Road 52

Pasco, WA 99301

(Petitioner)

COUNTY MAP SERIES

1:100 000 SCALE



• - County Seat

EXHIBIT No. 1

ENGINEERING EXHIBITS
IN SUPPORT OF
ALLOTMENT OF FM CHANNEL 229A
TO PASCO, WASHINGTON

Mr. MARTIN L. GIBBS
(PETITIONER)

KENNETH WILLIAMS, Jr. P.E.
Consulting Engineer
Tacoma, Washington 98407
(206) 756-7544 FAX (206) 752-5145

ENGINEERING STATEMENT IN SUPPORT OF
A PROPOSAL TO ADD FM CHANNEL 229A
TO PASCO, WASHINGTON

Mr. Martin L. Gibbs (Petitioner)

The following Engineering data supports a request of Mr. Martin L. Gibbs, of Pasco, Washington to amend the FM table of Allotments in Section 73.202(b) of the Commission's Rules. We are requesting channel 229A be added to the FM Table of Allotments as a drop in channel, to Pasco, Washington.

The addition of FM channel 229A may be made as a drop in channel, without other channels being moved, deleted or changed.

All distance figures used in this report are metric and calculations were, made using methods specified in Section 73.208 of the FCC Rules. All distances were in reference to the restricted site coordinates, Southwest of Pasco. 1/

A complete class A channel study is shown as attached Figure 1 and Figure 2. All channel spacings in these figures are within the Commission's current minimum separation requirements at the petitioner's proposed transmitter and antenna site.

With the use of a restricted site Southwest of Pasco, Washington an Allotment of channel 229A may be made to Pasco, Washington. 1/

The site would place Pasco within the 70 DBU contour, as shown in Figure 5, and will not cause short spacing to existing or proposed stations in the U.S. or Canada.

1/ Restricted Site Coordinates: N. 46°08'49" W. 119°12'36"

Location 7.7 miles / 12.5 kilometers Southwest of Pasco.

KENNETH WILLIAMS, Jr., P.E. - Consulting Engineer - Tacoma, WA

ENGINEERING STATEMENT Cont.

The proposed service contours of 70 and 60 DBU, were drawn by a plotter driven with the tabulated data shown in Figure 6. Average terrain for the site was determined by the NGDC 30-second data base for the Coordinates of the restricted site. The data shown on Figure 3 are the values of antenna center above mean sea level, average terrain of site and station ERP which were used to construct the coverage map of Figure 5.

Attached Figure 4, shows the area to which the allotment could be made without short spacing to other stations. For the purpose of this petition a ground elevation of 1150 feet (350 meters) was used for the site.

While we are not required to protect FM Translators, we have considered what possible harm may result to these stations if channel 229A is allotted to Pasco. A list of operating Translators are shown as Figure 7. It is apparent due to distance and frequency separation our proposal does not impact any existing or proposed FM Translator operation.

Based in the data at hand it appears channel 229A may be allotted to Pasco, Washington as that community's third local FM service.

ENGINEERS CERTIFICATION

STATE OF WASHINGTON)

) ss

COUNTY OF PIERCE)

Kenneth Williams, Jr., P.E., being duly sworn on his oath, states that he is an experienced and qualified Radio Engineer, licensed as a Registered Professional Electrical Engineer in the States of Washington and Oregon and as such maintains an office for the practice of Electrical and Communications Engineering. Having been in continuous practice as a Consulting Engineer for over 31 years, his qualifications are thus a matter of record with the Federal Communications Commission and the Federal Aviation Administration.

The Engineering data herein, was prepared by him or under his direct supervision and all representation of fact contained in said report is based on affiants measurements, information and belief and he believes all such statements herein to be true and correct.



EXPIRES 7-15-95

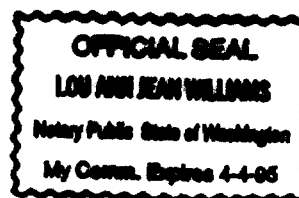
Kenneth Williams, Jr.
(Kenneth Williams, Jr., P.E.)
(affiant)

ENGINEERS STATE SEAL

Sworn to before me, Lou Ann Jean Williams a
Notary Public of Tacoma, Washington, on this 9th
day of February, 1995.

My Commission Expires April 4, 1995.

NOTARY STATE SEAL:



Reference Coordinates are 7.7 miles / 12.5 kilometers
Southwest of Pasco, Washington.

CLASS A FM CHANNEL STUDY

** CHANNEL 229 **

REFERENCE SITE - PASCO, WASHINGTON

N. 46 8 49 W. 119 12 36

```
=====
Channel Data Call City State File No. Az-Deg D-Km. R-Km. [Km.MARGIN]
=====
226C2 FA VAC Omak WA 352.6 247.5 55 192.5 Clear
227C1 FM LIC KTELFM Walla Walla WA BLH911202KA 102.4 82.0 75 7.0 Clear
228A FR DEL Chelan WA RM8265 345.1 196.1 72 124.1 Clear
228A FM LIC KOZIFM Chelan WA BMLH910204KE 345.1 196.1 72 124.1 Clear
229C FM LIC KDRKFM Spokane WA BLH7372 45.7 226.5 226 0.5 Clear
229C2 FR ADD East Wenatchee WA RM8265 327.8 167.5 166 1.5 Clear
230C2 FM APP NEW Ephrata WA BPH930721MC 351.2 136.0 106 30.0 Clear
230C2 FA VAC Ephrata WA 348.8 121.7 106 15.7 Clear
230C2 FR DEL Ephrata WA RM8265 348.8 121.7 106 15.7 Clear
231C FM LIC KCLKFM Clarkston WA BLH831227AC 78.0 166.0 95 71.0 Clear
231C FM LIC KMPSFM Seattle WA BLH890912KB 305.6 259.2 95 164.2 Clear
=====
```

Current Rules Spacing

>>>>> END OF CHANNEL 229 SEARCH <<<<<

DISTANCE TO CHANNELS 10.6-10.8 MHz SPACING

FM WITHIN 200 km
 ** CHANNELS 282 TO 283 **

REFERENCE SITE - PASCO, WASHINGTON

N. 46 8 49 W. 119 12 36

		Owner/Applicant	(m)	(kw)	(m)			
CHANNEL	CALL	CITY	Horz->AHAAT/ERP/AMSL	LATITUDE	(deg)	(km)		
& CLASS	STATUS	STATE	FILE No.	Vert->AHAAT/ERP/AMSL	LONGITUDE	AZIMUTH	DIST	
=====								
104.3 Mhz.		Radio Palouse, Inc.						
282	C1 KHTR	Pullman	509 24.0 1405	46-48-40	67.3	191.0		
	FM LIC	WA	BLH 870112KB	509 24.0 1405	116-54-55			
104.5 Mhz.		Mid Columbia Broadcasting, Inc.						
283	C KMQQ	The Dalles	610 100. 998	45-42-41	251.9	155.7		
	FM LIC	OR	BLH 850916KS	610 100. 998	121- 7- 7			

>> END OF FM WITHIN 200 km STUDY <<

KENNETH WILLIAMS, Jr., P.E. - Consulting Engineer - Tacoma, WA

TERRAIN ELEVATION INFORMATION

NGDC 30-SECOND DATA

FROM SITE AT:

N. 46° 08' 49"

W. 119° 12' 36"

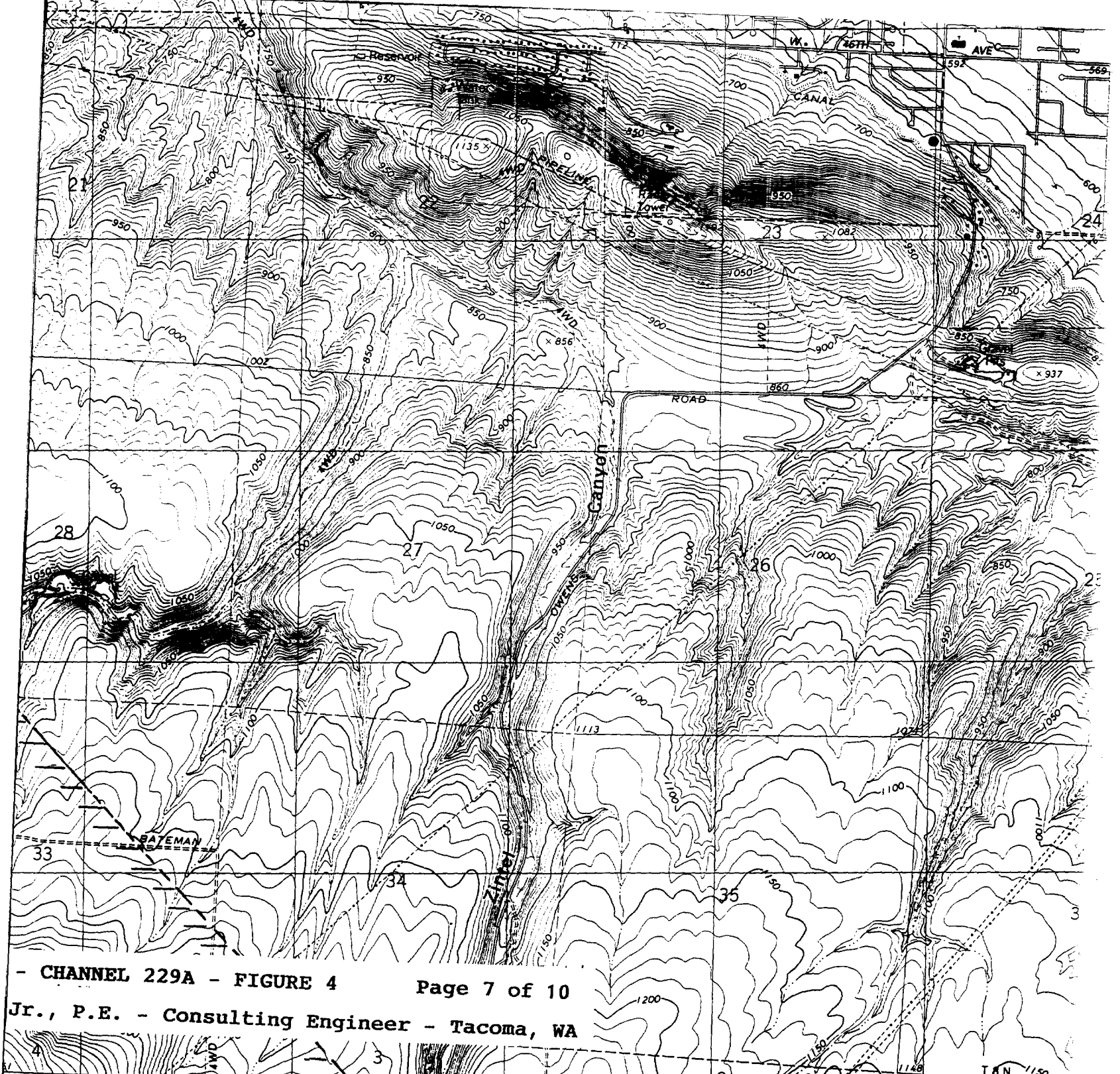
Azimuth in Deg.	Distance in km.	Elevation in meters
.0	16	158.5
45.0	16	146.0
90.0	16	196.1
135.0	16	486.0
180.0	16	411.2
225.0	16	481.3
270.0	16	468.0
315.0	16	258.6
Eight Radial (3-16 km) Average		325.7 m.
City 26°	16	146.6 *

* Not included in average elevation figures.

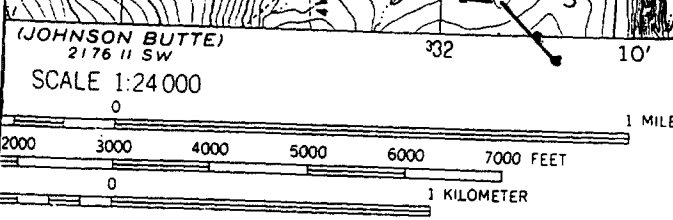
Service Contours are based on the following:

Antenna Center AMSL	420 meters
Average Terrain	325 meters
Antenna HAAT	70 meters
Station ERP in DBK	7.78 DBK (6 KW)

Map of coverage shown as figure 5.
Tabulated coverage shown as figure 6.



- CHANNEL 229A - FIGURE 4 Page 7 of 10
Jr., P.E. - Consulting Engineer - Tacoma, WA



TOUR INTERVAL 10 FEET
ES REPRESENT 5-FOOT CONTOURS
EODETIC VERTICAL DATUM OF 1929

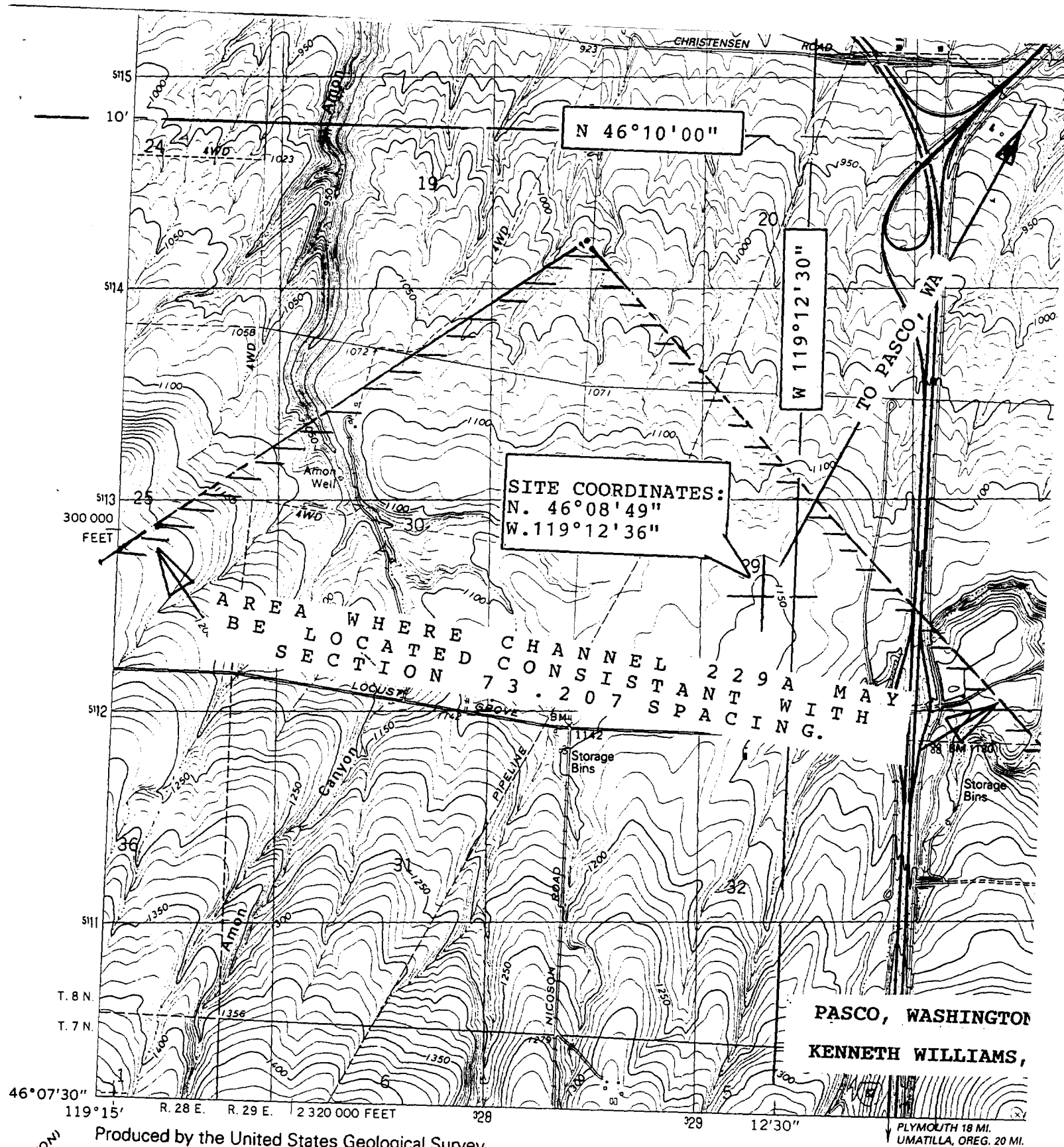
WITH NATIONAL MAP ACCURACY STANDARDS
BY U.S. GEOLOGICAL SURVEY
DO 80225, OR RESTON, VIRGINIA 22092
PHIC MAPS AND SYMBOLS IS AVAILABLE ON REQUEST



QUADRANGLE LOCATION

- ROAD CLASSIFICATION
- | | |
|------------------------------------|--|
| Primary highway,
hard surface | Light-duty road, hard or
improved surface |
| Secondary highway,
hard surface | Unimproved road |
- Interstate Route ○ U. S. Route ○ State Route

KENNEWICK, WAS
46119-B2-TF-024



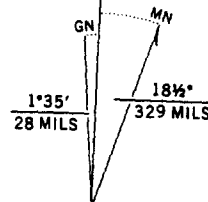
Produced by the United States Geological Survey
Control by USGS and NOS/NOAA

Compiled from aerial photographs taken 1959. Revised from aerial photographs taken 1988. Field checked 1990. Map edited 1992. Underwater contours by USCE

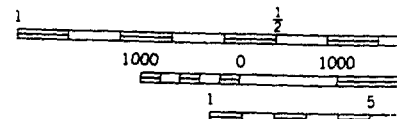
North American Datum of 1927 (NAD 27). Projection and 10 000-foot grid ticks: Washington Coordinate System, south zone (Lambert Conformal Conic). 1000-meter Universal Transverse Mercator grid, zone 11

The difference between NAD 27 and North American Datum of 1983 (NAD 83) for 7.5 minute intersections is given in USGS Bulletin 1875. The NAD 83 is shown by dashed corner ticks

Red tint indicates areas in which only landmark buildings are shown. Fine red dashed lines indicate selected fence and field lines where generally visible on aerial photographs. This information is unchecked

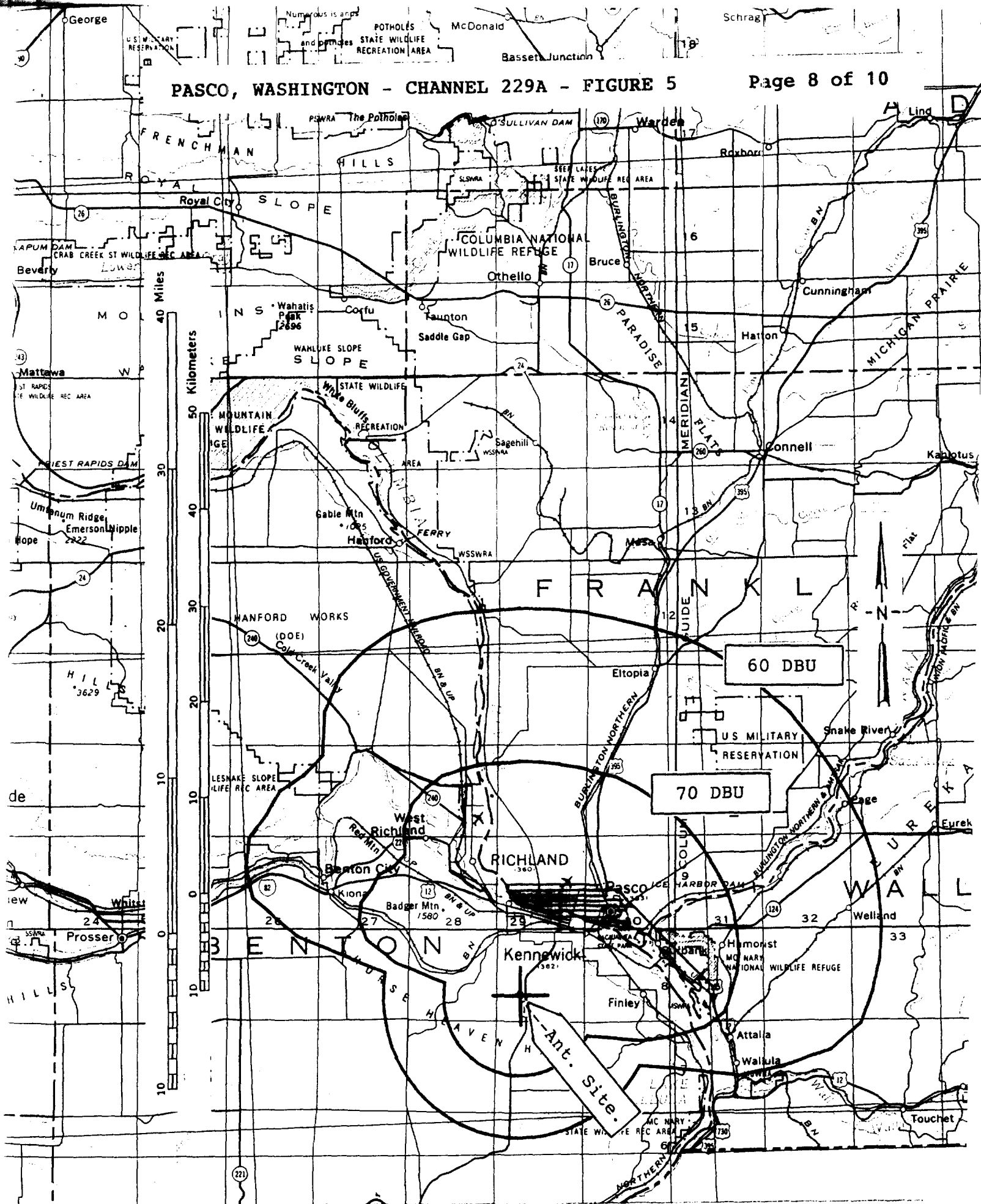


UTM GRID AND 1992 MAGNETIC NORTH DECLINATION AT CENTER OF SHEET



CC
DOTTED L
NATIONAL

THIS MAP COMPLIES
FOR SALE
DENVER, COLORADO
A FOLDER DESCRIBING TOPOG



KENNETH WILLIAMS, Jr., P.E. - Consulting Engineer - Tacoma, WA

UMATILLA R.
WILDLIFE REFUGE

DISTANCES TO CONTOURS (Kilometers) :

Frequency: 93.7000 MHz

Coordinates: N 46 8 49 W 119 12 36

F(50,50) Curves Number of Contours:

AZ (degs)	HAAT (m)	ERP (dBk)	CONTOUR LEVELS (dBu):		AZ (degs)	HAAT (m)	ERP (dBk)	CONTOUR LEVELS	
			70.0	60.0				70.0	60.0
.0	262	6.77	24.8	41.0	185.0	18	6.77	8.4	15.0
5.0	262	6.77	24.8	41.0	190.0	14	6.77	8.4	15.0
10.0	263	6.77	24.8	41.1	195.0	7	6.77	8.4	15.0
15.0	263	6.77	24.9	41.1	200.0	3	6.77	8.4	15.0
20.0	267	6.77	25.0	41.3	205.0	-11	6.77	8.4	15.0
25.0	273	6.77	25.3	41.7	210.0	-25	6.77	8.4	15.0
30.0	274	6.77	25.3	41.8	215.0	-36	6.77	8.4	15.0
35.0	273	6.77	25.3	41.7	220.0	-49	6.77	8.4	15.0
40.0	273	6.77	25.3	41.7	225.0	-61	6.77	8.4	15.0
45.0	274	6.77	25.3	41.8	230.0	-63	6.77	8.4	15.0
50.0	271	6.77	25.2	41.6	235.0	-74	6.77	8.4	15.0
55.0	268	6.77	25.1	41.4	240.0	-89	6.77	8.4	15.0
60.0	266	6.77	25.0	41.3	245.0	-90	6.77	8.4	15.0
65.0	267	6.77	25.0	41.3	250.0	-85	6.77	8.4	15.0
70.0	263	6.77	24.8	41.1	255.0	-81	6.77	8.4	15.0
75.0	255	6.77	24.5	40.6	260.0	-75	6.77	8.4	15.0
80.0	249	6.77	24.2	40.1	265.0	-64	6.77	8.4	15.0
85.0	237	6.77	23.7	39.4	270.0	-48	6.77	8.4	15.0
90.0	224	6.77	23.0	38.5	275.0	-27	6.77	8.4	15.0
95.0	208	6.77	22.3	37.3	280.0	14	6.77	8.4	15.0
100.0	173	6.77	20.3	34.4	285.0	85	6.77	14.1	25.2
105.0	124	6.77	17.1	29.8	290.0	137	6.77	17.9	31.0
110.0	86	6.77	14.2	25.3	295.0	158	6.77	19.4	33.0
115.0	47	6.77	10.4	18.4	300.0	170	6.77	20.1	34.1
120.0	-3	6.77	8.4	15.0	305.0	167	6.77	19.9	33.8
125.0	-44	6.77	8.4	15.0	310.0	171	6.77	20.2	34.2
130.0	-65	6.77	8.4	15.0	315.0	161	6.77	19.6	33.4
135.0	-66	6.77	8.4	15.0	320.0	163	6.77	19.7	33.5
140.0	-62	6.77	8.4	15.0	325.0	205	6.77	22.1	37.1
145.0	-66	6.77	8.4	15.0	330.0	236	6.77	23.6	39.3
150.0	-64	6.77	8.4	15.0	335.0	253	6.77	24.4	40.4
155.0	-50	6.77	8.4	15.0	340.0	264	6.77	24.9	41.1
160.0	-42	6.77	8.4	15.0	345.0	265	6.77	24.9	41.2
165.0	-32	6.77	8.4	15.0	350.0	265	6.77	24.9	41.2
170.0	-11	6.77	8.4	15.0	355.0	260	6.77	24.7	40.9
175.0	-1	6.77	8.4	15.0	360.0	261	6.77	24.8	41.0
180.0	9	6.77	8.4	15.0					

KENNETH WILLIAMS, Jr., P.E. - Consulting Engineer - Tacoma, WA

FM TRANSLATORS WITHIN 200 Km.
CHANNELS 226 to 232

REFERENCE SITE - PASCO, WASHINGTON				N. 46 8 49 W. 119 12 36			
CHANNEL	CALL	Owner/Applicant		(m)	(kw)	(m)	
& CLASS	STATUS	CITY	Horz->AHAAT/ERP/AMSL	LATITUDE	(deg)	(km)	
		STATE	FILE No.	Vert->AHAAT/ERP/AMSL	LONGITUDE	AZIMUTH	DIST
228 A	FR DEL	WA	RM 8265				
		Chelan		47-51- 7	345.1	196.1	
				119-52-18			
228 D	K228CX	WA	BLFT 891201TC	.048	1105	47-30-33	332.6 170.6
	FX LIC	WA				120-14-22	
228 D	NEW-T	WA	BPFT 870331YJ	.140	687	46-31-40	292.8 109.2
	FX APP	WA				120-31- 6	
229 C2	FR ADD	WA	RM 8265			47-25-18	327.8 167.5
		East Wenatchee				120-22-53	
230 C2	FR DEL	WA	RM 8265			47-13-16	348.8 121.7
		Ephrata				119-31-12	
232 D	K232CV	WA	BLFT 940519TD	348	.036 982	46-53-13	311.1 125.2
	FX LIC	WA				120-26-26	
232 D	K232CK	OR	BLFT 870403TA	.040	797	45-44-32	256.2 189.1
	FX LIC	OR				121-34-46	
232 D	K232CB	OR	BLFT 860327TZ	.009	353	45-40- 4	148.0 62.8
	FX LIC	OR				118-46-52	
232 D	K232AN	WA	BLFT 810601IE	.041	616	47-18-56	347.5 133.0
	FX LIC	WA				119-35- 8	

>> END OF FM WITHIN 200 km STUDY <<

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